Claims

What is claimed is:

1 A fiber optic cable comprising:

a jacket having an interior jacket surface and an exterior jacket surface;

a core element centrally disposed within the jacket; and

a plurality of partitions extending from said core element to said interior surface of said jacket in a skewed direction, wherein said partitions form a plurality of buffer cells.

2. The fiber optic cable of claim 1, wherein a non-flat ribbon is housed in at least one of said buffer cells.

3. The fiber optic cable of claim 1, wherein a plurality of fiber ribbons are housed in at least one of said buffer cells.

4. The fiber optic cable of claim 1, wherein an optic fiber is housed in at least one of said buffer cells.

5. The fiber optic cable of claim 1, wherein a soft cushion is housed in at least one of said buffer cells.

6. The fiber optic cable of claim 1, wherein a ripcord is housed in at least one of said buffer cells.

7. The fiber optic cable of claim 1, wherein water swellable tape is housed in at least one of said buffer cells.

8. The fiber optic cable of claim 1, wherein a plurality of flat ribbons are housed in at least one of said buffer cells.

9. The fiber optic cable of claim 1, wherein strength yarn is housed in at least one of said buffer cells.

10. The fiber optic cable of claim 1, wherein at least one buffer tube is housed in at least one of said buffer cells.

11. The fiber optic cable of claim 1, wherein the partitions are operably configured to provide protection of the fiber ribbons against crushing forces applied to the fiber optic cable.

12. The fiber optic cable of claim 1, wherein the partitions are color coded.

13. The fiber optic cable of claim 1, wherein the skewed partitions deform without breaking or collapsing.

14. A fiber optic cable comprising:

a jacket having an interior jacket surface and an exterior jacket surface;

a core element centrally disposed within the jacket; and

a plurality of partitions extending from said core element to said interior surface of said jacket, wherein said partitions are located at an angle with respect to a radial line extending from said core element thereby forming at least one buffer cell.

15. The fiber optic cable of claim 14, wherein an arched ribbon is housed in at least one of said buffer cells.

16. The fiber optic cable of claim 14, wherein a plurality of fiber ribbons are housed in at least one of said buffer cells.

17. The fiber optic cable of claim 14, wherein an optic fiber is housed in at least one of said buffer cells.

18. The fiber optic cable of claim 14, wherein a soft cushion is housed in at least one of said buffer cells.

19. The fiber optic cable of claim 14, wherein a ripcord is housed in at least one of said buffer cells.

20. The fiber optic cable of claim 14, wherein water swellable tape is housed in at least one of said buffer cells.

21. The fiber optic cable of claim 14, wherein a plurality of flat ribbons are housed in at least one of said buffer cells.

22. The fiber optic cable of claim 14, wherein at least one buffer tube is housed in at least one of said buffer cells.

23. The fiber optic cable of claim 14, wherein strength yarn is housed in at least one of said buffer cells.

24. The fiber optic cable of claim 14, wherein the partitions are operably configured to provide protection of the fiber ribbons against crushing forces applied to the fiber optic cable.

25. The fiber optic cable of claim 14, wherein the partitions are color coded.

26. The fiber optic cable of claim 14, wherein the partitions deform without breaking or collapsing.